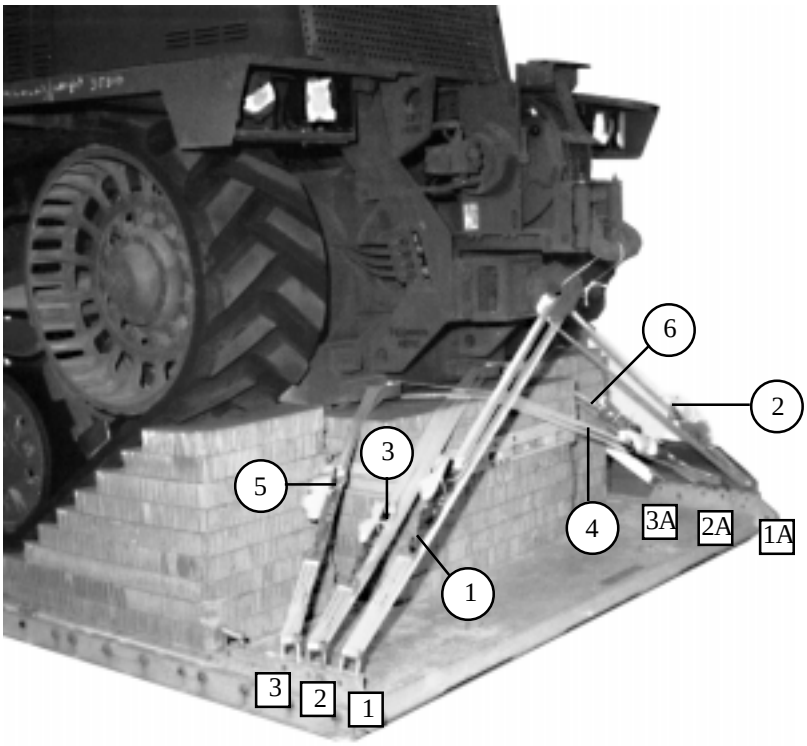
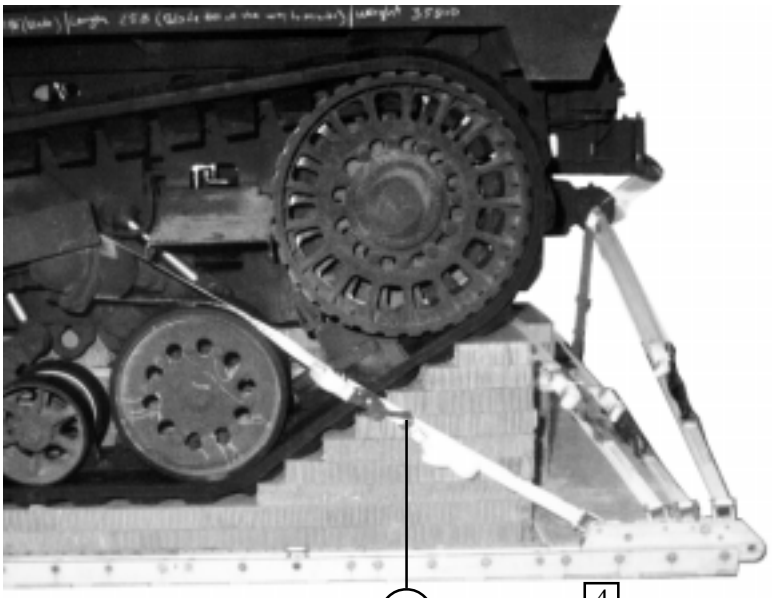
10-6. Lashing Load to Platform

Lash the DEUCE to the platform as shown in Figure 10-10.



Lashing Number	**Tiedown Clevis** Number	**Instructions**
		Pass lashing:
1	1	To tow pintle, left side.
2	1A	To tow pintle, right side.
3	2	To right rear tiedown.
4	2A	To left rear tiedown.
5	3	To left rear tiedown.
6	3A	To right rear tiedown.

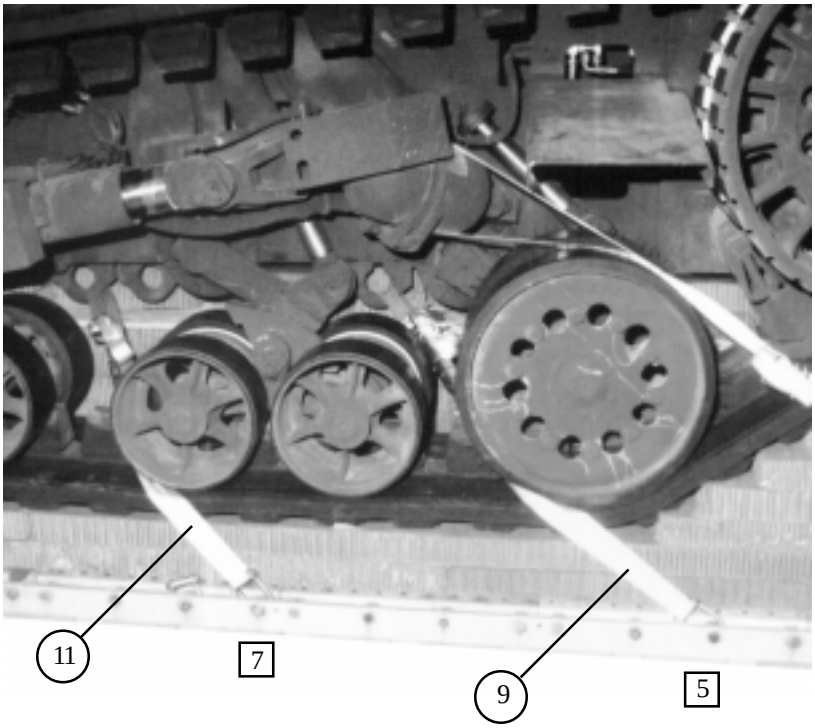
Figure 10-10. DEUCE lashed to platform



NOTE: Ensure the lashings are routed under all hoses.

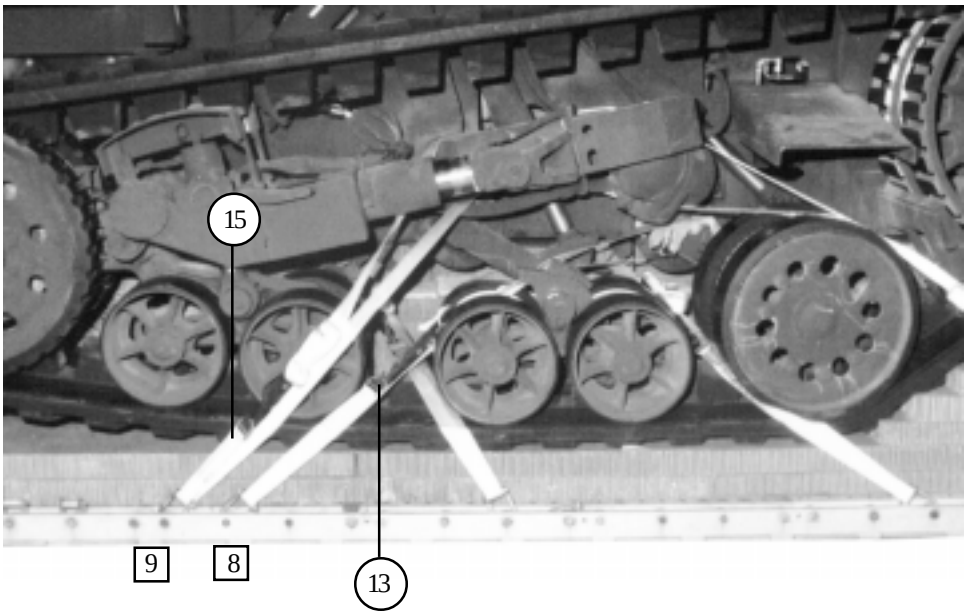
Lashing Number	Tiedown Clevis Number	Instructions
7	4	Route a 30-foot lashing over the left rear idler wheel, through the left rear portion of the recoil cylinder mount.
8	4A	Route a 30-foot lashing over the right rear idler wheel, through the right rear portion of the recoil cylinder mount.

Figure 10-10. DEUCE lashed to platform (continued)



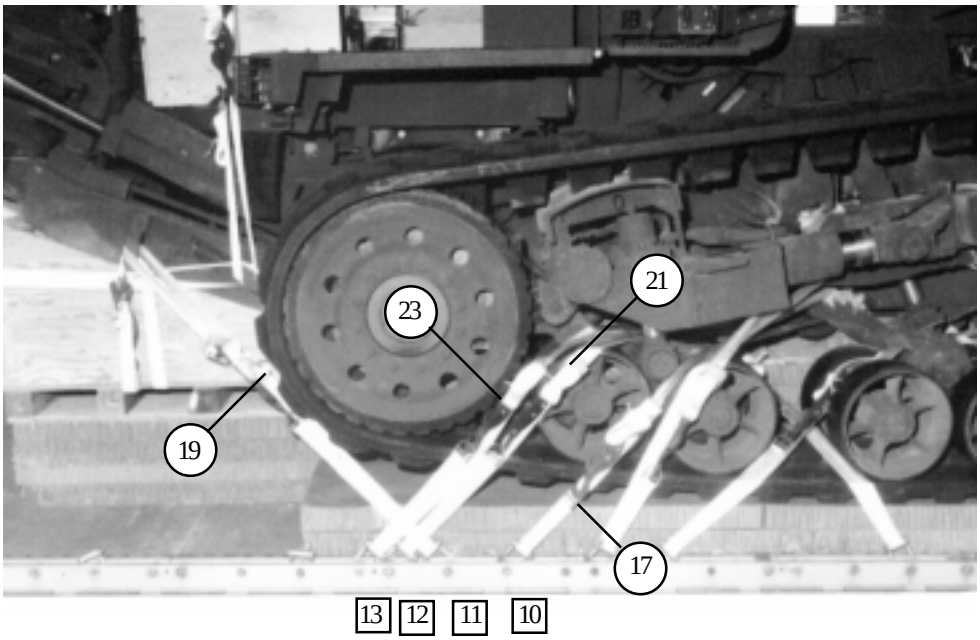
Lashing Number	**Tiedown Clevis** Number	**Instructions**
		Pass lashing:
9	5	To rear frame tiedown, left side.
10	5A	To rear frame tiedown, right side.
11	7	To front frame tiedown, left side.
12	7A	To front frame tiedown, right side.

Figure 10-10. DEUCE lashed to platform (continued)



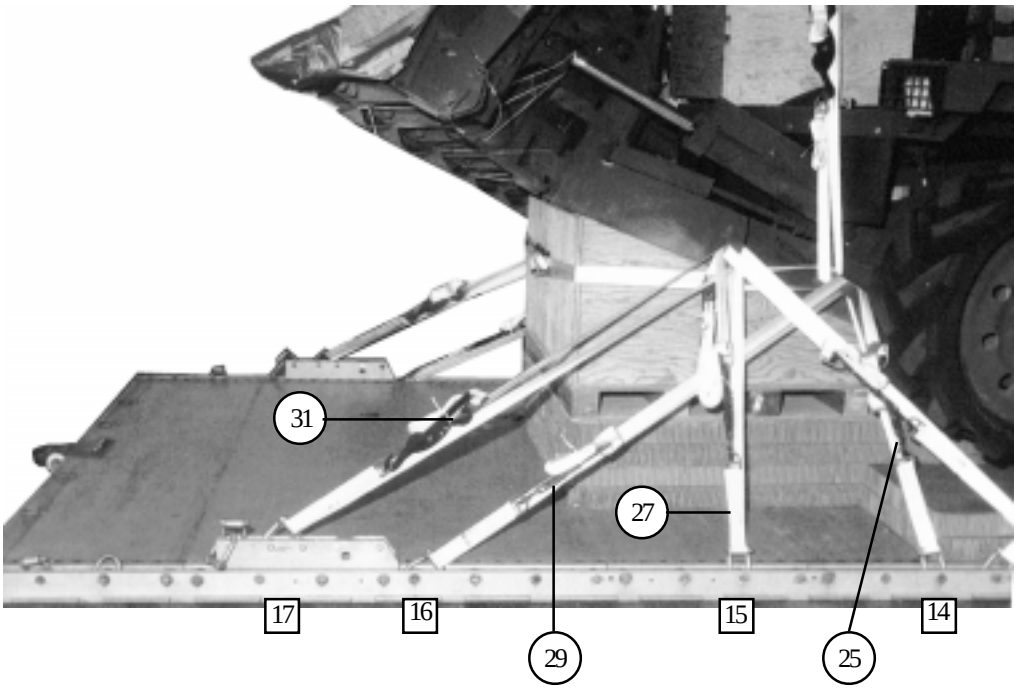
Lashing Number	**Tiedown Clevis** Number	**Instructions**
		Pass Lashing:
13	8	To rear axle mount, left side.
14	8A	To rear axle mount, right side.
15	9	To front portion of the recoil cylinder mount, left side.
16	9A	To front portion of the recoil cylinder mount, right side.

Figure 10-10. DEUCE lashed to platform (continued)



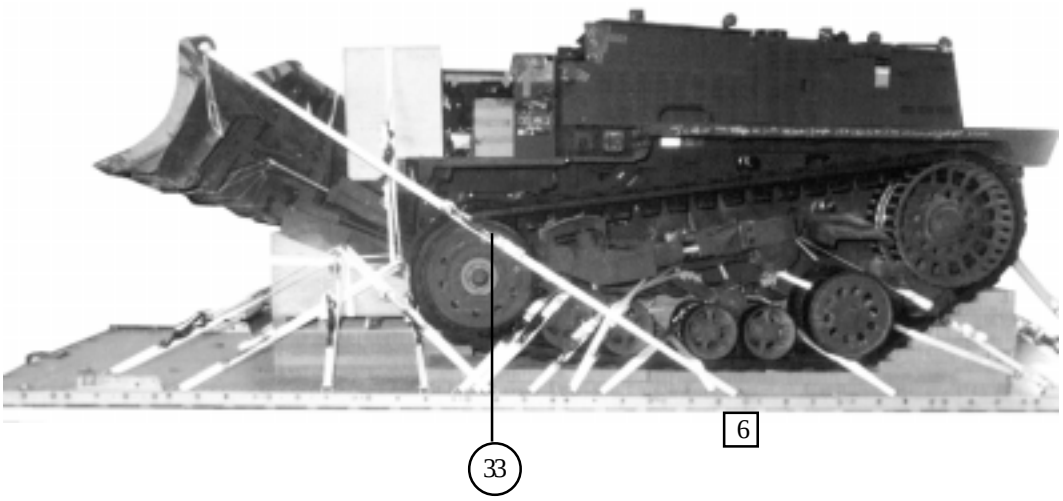
Lashing Number	**Tiedown Clevis** Number	**Instructions**
		Pass lashing:
17	10	To center axle mount, left side.
18	10A	To center axle mount, right side.
19	11	To C-frame lift point, left side.
20	11A	To C-frame lift point, right side.
21	12	To center frame tiedown, left side.
22	12A	To center frame tiedown, right side.
23	13	To front frame tiedown, left side.
24	13A	To front frame tiedown, right side.

Figure 10-10. DEUCE lashed to platform (continued)



Lashing Number	**Tiedown Clevis** Number	**Instructions**
		Pass lashing:
25	14	To C-frame tiedown, left side.
26	14A	To C-frame tiedown, right side.
27	15	To C-frame lift point, left side.
28	15A	To C-frame lift point, right side.
29	16	To C-frame tiedown, left side
30	16A	To C-frame tiedown, right side.
31	17	To C-frame lift point, left side.
32	17A	To C-frame lift point, right side.

Figure 10-10. DEUCE lashed to platform (continued)

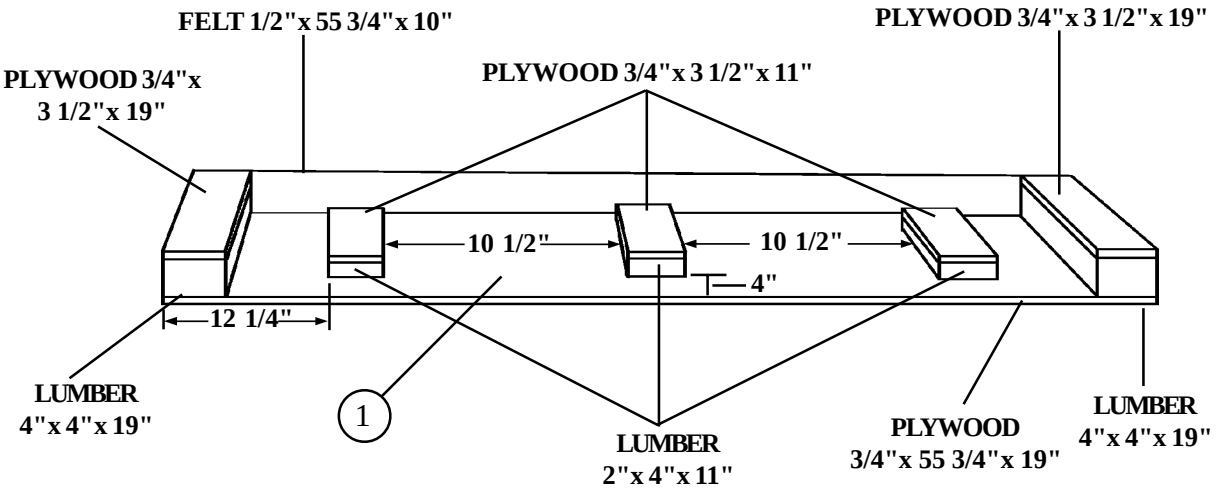


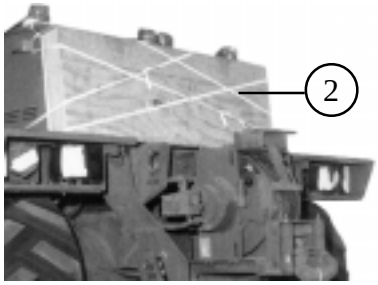
Lashing Number	**Tiedown Clevis** Number	**Instructions**
33	6	Route a 30-foot lashing to the blade lift point, left side.
34	6A	Route a 30-foot lashing to the blade lift point, right side.

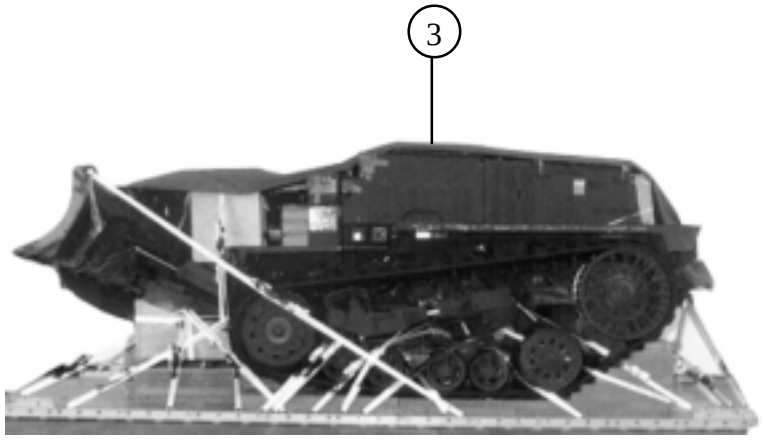
Figure 10-10. DEUCE lashed to platform (continued)

10-7. Installing the Rear Step Box and Load Cover

Install the rear step box and load cover as shown in Figure 10-11.





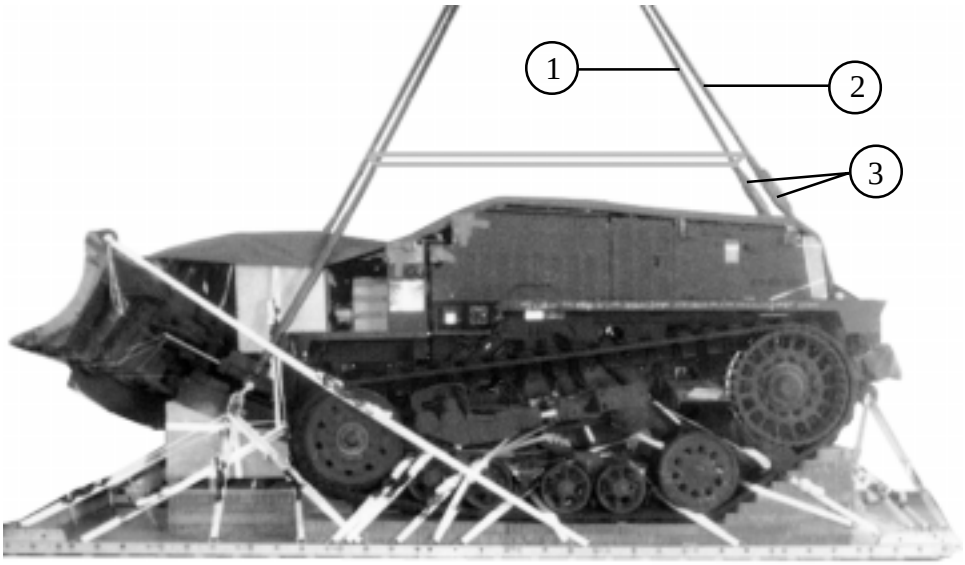


1. Build the rear step box as shown above. Nail all components together.
2. Raise the rear step and place the step box over the step. Secure the step box with 1/2-inch tubular nylon webbing.
3. Cover the load with a 60-inch by 25-foot piece of canvas. Secure the canvas with type III nylon cord.

Figure 10-11. Rear step box placed and load covered

10-8. Installing Suspension Slings and Deadman's Tie

Install the suspension slings and deadman's tie as shown in Figure 10-12.

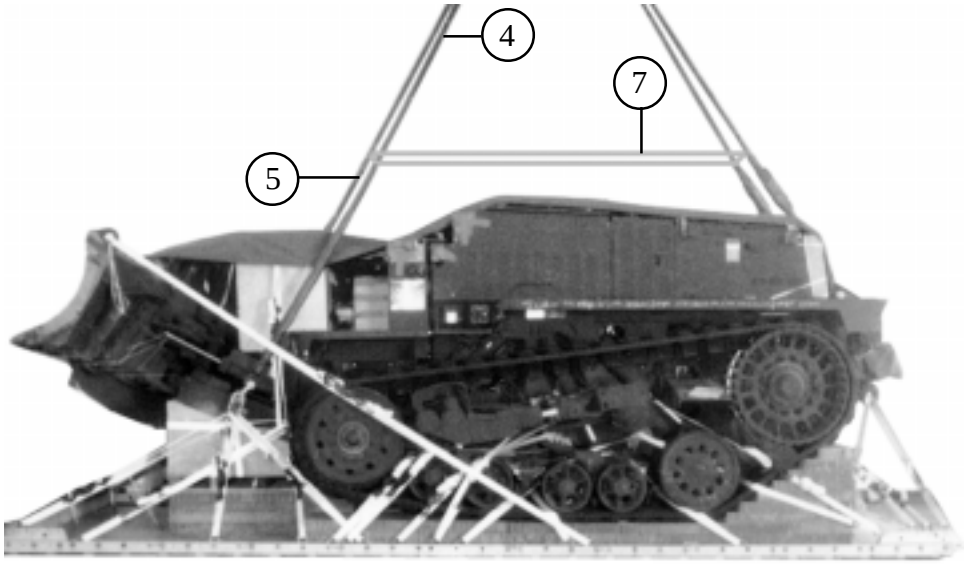


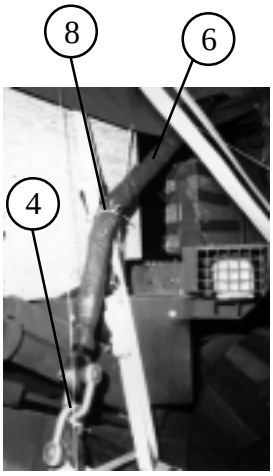
1. Make the left front suspension sling by connecting an 11-foot (4-loop), type XXVI nylon suspension sling to a 3-foot (4-loop), type XXVI nylon suspension sling with a 5 1/2-inch link. Route a 9 1/2-ton screw pin clevis through the end of the 3-foot suspension sling and attach the clevis to the right rear lift point on the DEUCE.

2. Repeat the procedures in step 1 for the right front suspension sling and attach it to the left rear lift point on the DEUCE.

3. Pad the 5 1/2-inch links with 1/2-inch felt padding. Secure the padding with tape.

Figure 10-12. Suspension slings and deadman's tie installed





(4) Make the right rear suspension sling by attaching a 9 1/2-ton screw pin clevis to the left C-frame lift point. Route a second 9 1/2-ton screw pin clevis through the bell portion of the first clevis and attach a 16-foot (4-loop), type XXVI nylon suspension sling.

(5) Repeat the procedures in step 4 for the left rear suspension sling and attach it to the right C-frame lift provision.

(6) Pad the rear suspension slings with 1/2-inch felt padding from the 9 1/2-ton screw pin clevises to a point 5-inches above the steering column box. Secure the padding with tape.

(7) Raise the slings and install the deadman's tie according to FM 10-500-2/TO 13C7-1-5.

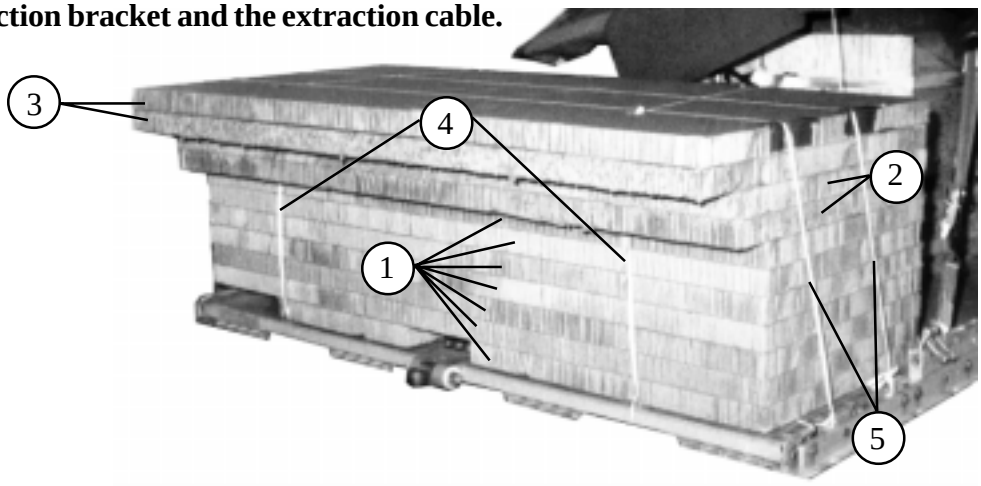
(8) Safety tie each rear suspension sling to the lashing securing the steering column box with one turn of type I, 1/4-inch cotton webbing.

Figure 10-12. Suspension slings and deadman's tie installed (continued)

10-9. Building and Positioning Parachute Stowage Platform

Build and position the parachute stowage platform as shown in Figure 10-13.

NOTE: Cut channels in the bottom layer for the extraction bracket and the extraction cable.



1. Glue seven pieces of 96-inch by 36-inch honeycomb together to form a base. Center the base 2-inches forward of the rear edge of the platform. Cut channels in the bottom layer for the extraction bracket and the extraction cable.

2. Cut two pieces of 96-inch by 5- inch honeycomb and two pieces of 96-inch by 36-inch honeycomb. Position and glue the pieces on top of the honeycomb base, flush with the front of the base, forming two 96-inch by 41-inch layers.

3. Cut two pieces of 96-inch by 11- inch honeycomb and two pieces of 96-inch by 36-inch honeycomb. Position and glue the pieces on top of the 96-inch by 41-inch layers, flush with the front of the base, forming two 96-inch by 47-inch layers.

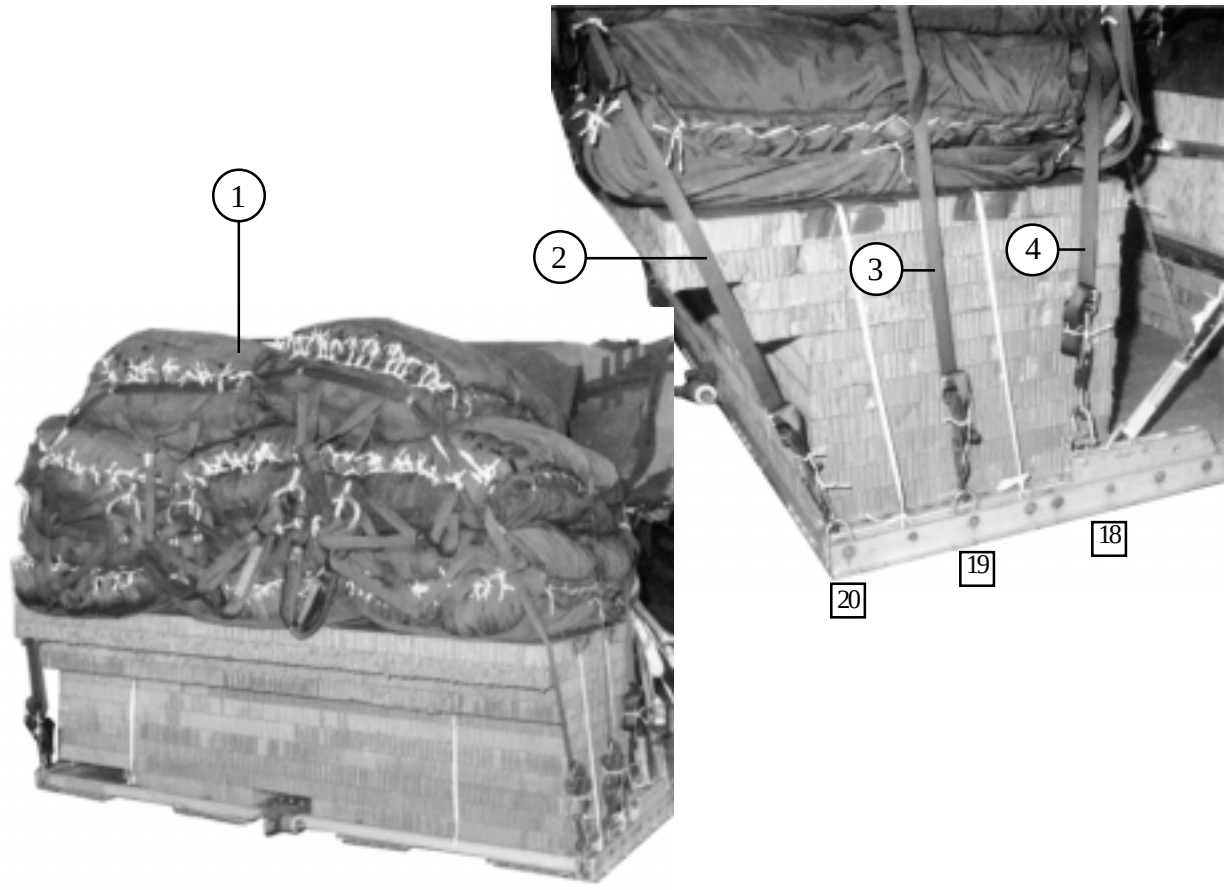
4. Make a hole through the top four layers of honeycomb directly above deck rings 12A and 12D. Tie one end of a length of 1/2-inch tubular nylon webbing to deck 11A. Route the running end over the top of the stowage platform, down through the hole and secure the webbing to deck ring 12A. Repeat the procedure with a second length of 1/2-inch tubular nylon webbing using deck rings 11B and 12D. Tape the edges of the holes and the front edge of the top layer of honeycomb.

5. Tape the side edges of the top layer of honeycomb. Route a length of 1/2-inch tubular nylon webbing from bushing 45 over the top of the platform and secure on bushing 45A. Repeat the procedure with another length of 1/2-inch tubular nylon and bushings 47 and 47A.

Figure 10-13. Parachute stowage platform built and positioned

10-10. Preparing and Stowing Cargo Parachutes

Install the extraction system as shown in Figure 10-14.

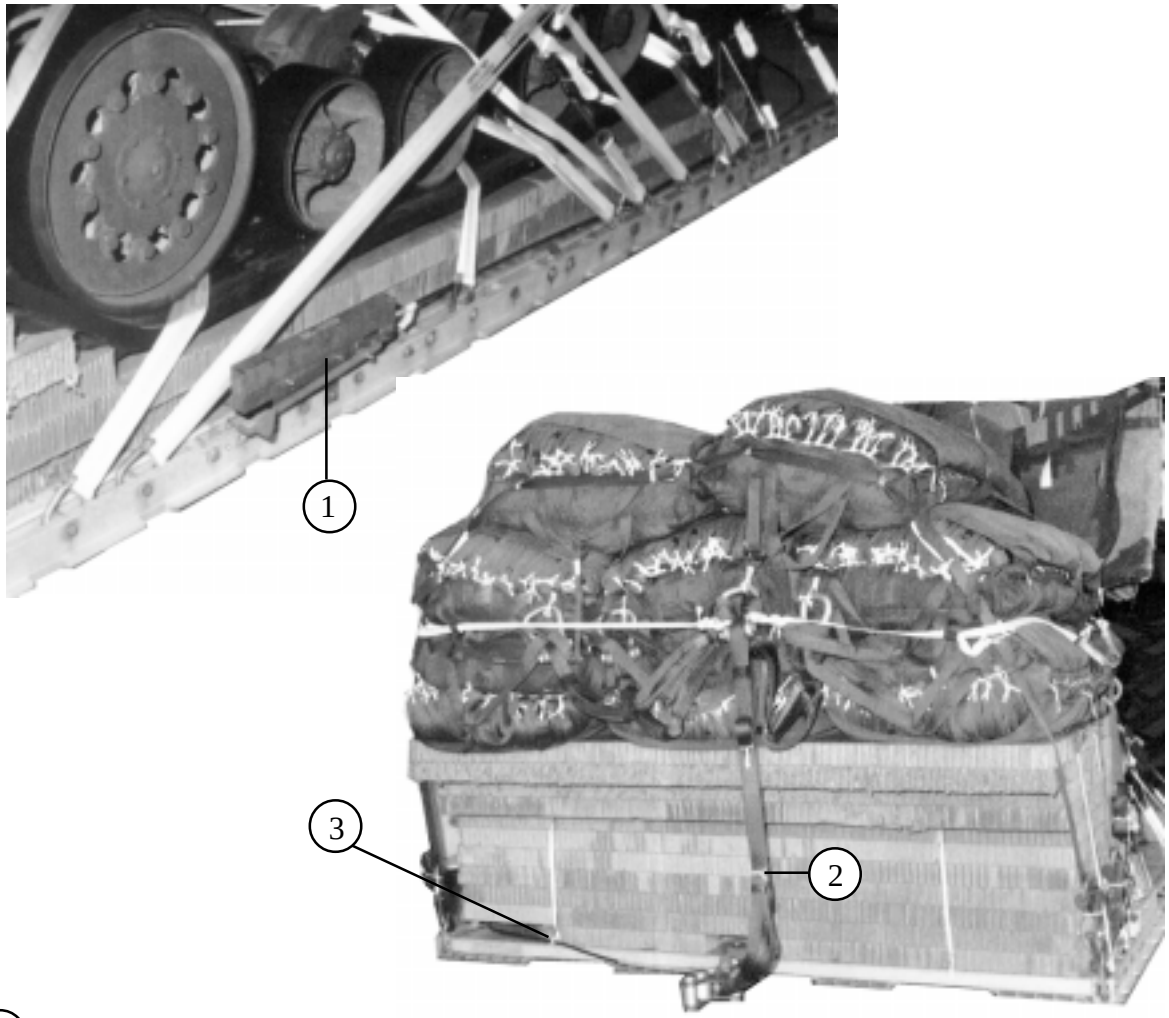


1. Prepare, position, and stow eight G-11 cargo parachutes according to FM 10-500-2/TO13C7-1-5.
2. Install the rear cargo parachute restraint strap according to FM 10-500-2/TO13C7-1-5 using tiedown clevises 20 and 20A.
3. Install the center cargo parachute restraint strap according to FM 10-500-2/TO13C7-1-5 using tiedown clevises 19 and 19A.
4. Install the front cargo parachute restraint strap according to FM 10-500-2/TO13C7-1-5 using tiedown clevises 18 and 18A.
5. Install a multicut parachute release knife according to FM 10-500-2/TO13C7-1-5 (not shown).

Figure 10-14. Cargo parachutes prepared and stowed

10-11. Installing Extraction System

Prepare and stow eight G-11 cargo parachutes as shown in Figure 10-15.

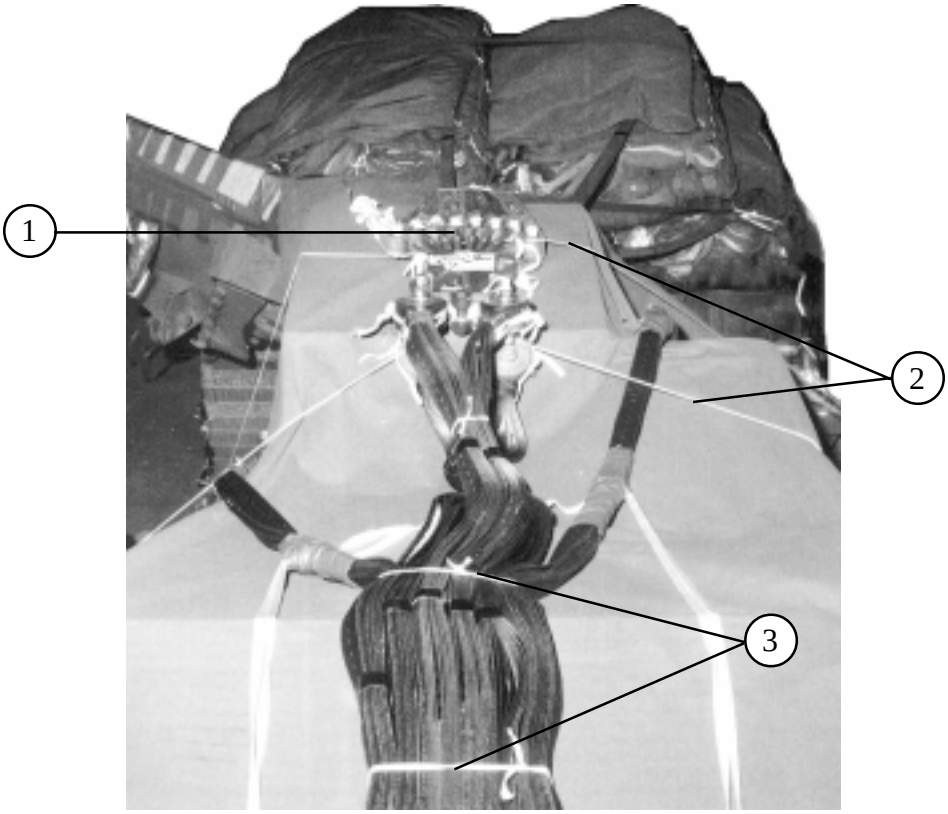


1. Install the components of the EFTC according to FM 10-500-2/TO13C7-1-5. Use the rear mounting holes for the EFTC brackets.
2. Attach a 9-foot (2-loop) type XXVI nylon sling to be used as a deployment line.
3. Use a 20-foot EFTC cable and safety the cable to convenient places on the platform with one turn of type I, 1/4-inch cotton webbing.

Figure 10-15. Extraction system installed

10-12. Installing Parachute Release

Prepare, attach, and safety an M-2 cargo parachute release according to FM 10-500-2/ TO 13C7-1-5 and as shown in Figure 10-16.



1. Place the M-2 cargo parachute release on top of the steering column box and attach the suspension slings and riser extentions.
2. Safety the top and bottom of the release to convenient places on the load with type III nylon cord according to FM 10-500-2/TO 13C7-1-5.
3. S-fold and tie any excess suspension slings with one turn of type I, 1/4-inch cotton webbing.

Figure 10-16. M-2 cargo parachute release installed

10-13. Placing Extraction Parachute

Select the extraction parachute and extraction line needed using the extraction line requirements table in FM 10-500-2/TO 13C7-1-5. Place the extraction parachute and extraction line on the load for installation in the aircraft.

10-14. Installing Provisions for Emergency Restraint

Select and install the provisions for the emergency aft restraints according to the emergency aft restraint requirements table in FM 10-500-2/ TO 13C7-1-5.

10-15. Marking Rigged Load

Mark the rigged load according to FM 10-500-2/TO 13C7-1-5 and as shown in Figure 10-17. Complete Shipper's Declaration for Dangerous Goods and affix to the load. If the load varies from the one shown, the weight, height, CB, tipoff curve, and parachute requirements must be recomputed.

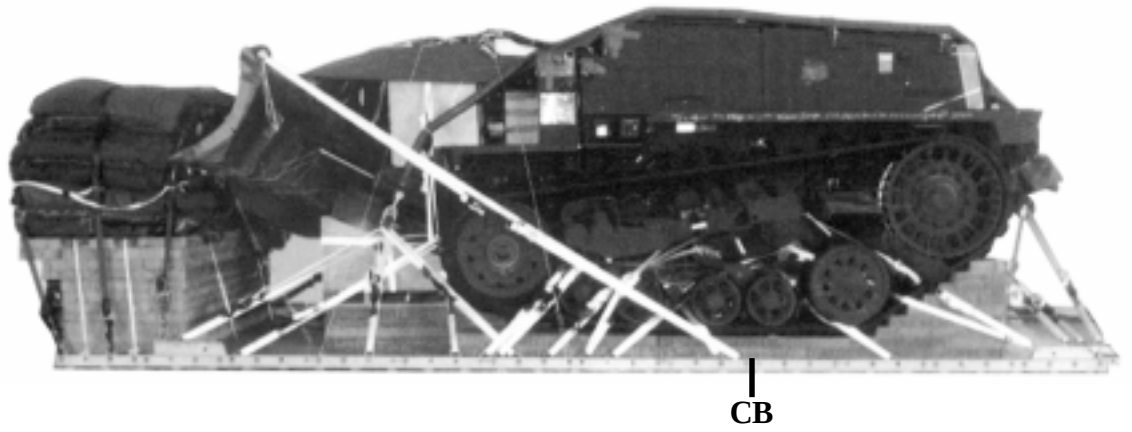
10-16. Equipment Required

Use the equipment list in Table 10-1 to rig the load shown in Figure 10-17.

CAUTIONS

1. **Make the final rigger inspection required by FM 10-500-2/TO 13C7-1-5 before the load leaves the rigging site.**

2. **Remeasure the width of the load after the load is placed on the 60K-Loader. Ensure the load has not shifted.**



RIGGED LOAD DATA

Weight.....40,340 pounds

Maximum Weight.....40,800 pounds

Height.....101 1/2 inches

Width.....110 inches

Length .....310 inches

Overhang: Front.....0 inches
Rear.....22 inches

Center of Balance (CB)
(from front edge of the platform) .....122 inches

Extraction System .....EFTC

Figure 10-17. Deployable Universal Combat Earthmover (DEUCE), rigged on a 24-foot type V platform for low-velocity airdrop